



**CERTIFICATE OF COMPLIANCE FOR NUCLEAR MEDICINE SHIPPING SYSTEMS
D.O.T. SPECIFICATIONS 7A, TYPE A**

1. Package Identification:

Common Name: Nuclear Medicine Shipping Systems
Catalog Name: Compact PET Shipping System for Vial Pig

Model No: 001-724

2. Preamble:

- a) This certificate is issued to satisfy section 178.350 including sections 171.2, 173.403, 173.410, 173.411, 173.412, 173.415, 173.431, 173.465, 173.466, and 178.608 of the Department of Transportation, Hazardous Materials Regulations (49 CFR).
- b) The packaging and contents described in item 2 below were found to meet the safety standards set forth in, and tested, according to the more stringent recommendations for general performance testing from:

IATA Dangerous Goods Regulations, 65th Edition Sections 5.0.4.3, 10.5, and 10.6.1 thru 10.6.3.5

49 CFR as listed in item 1a above.
- c) This certificate does not release the consignor from compliance with any requirement of the regulations of the U.S. Department of Transportation or other applicable regulatory agencies, including the government of any country through or into which the package will be transported.

3. Descriptions of Packaging and Authorized contents, Other Conditions, and References:

- a) **Shipping Container:** Model #001-783-A005 DOT Approved Shipping Container
ZERO Manufacturing, p/n: ZRC0808-1002, medium density polyethylene

Dimension: 11.75" x 11.75" x 12.75" with high density polyethylene foam cushioning and insert support weldment with two locking twist hasps and a hinged lid. Case has two handles. A safety seal can be put thru the hasp and the stand-off for tamper proof evidence.
- b) **Shielded Insert:** Model #001-724-C200
Contour lead shield with open top and bottom and 3 pieces of ¼" lead in the bottom of the case. Contoured lead thickness varies from 1.232" to 1.699".
- c) **PET Unit Dose Pig:** Model #001-706
0.065" steel with one inch of lead in the walls and bottom of the pig
Top made of aluminum with 1.75" of lead shielding.



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- d) **Combined Lead Shielding:** Bottom = 1.75" Top = 1.75"
Sides: Varies on location from 1.232" to 1.699"
- e) **Absorbent Material:** Model #001-771
3" x 3" Quick Solid absorbent material in the bottom of each pig.
- f) **Vial:** 30ml Abbott Lab Vial or 10ml vial with plastic vial adapter.

Authorized Contents:

Normal Form Radioactive Materials in Type A quantities
Tested with F-18, 1.5 curies in the PET Vial Pig inside the case as Yellow II.
Must comply with the A₂, Value Limits From 49CFR 173.435.

Specifications and Restrictions:

Ground or Air Transportation

4. This certificate is issued based on the test results and safety analysis of the package design.

5. Certification

This document is to certify that to the best of our knowledge, information and belief, the construction methods, the packaging design, and the materials of construction for this specification package comply with the standards described in items 2a, 2b, 2c herein. Any deviation from these conditions must be approved prior to use.

Approved:

Chris Wilczynski
Site Manager, Florham Park • Capintec

Date: 02-14-2024